

Submit within 45 days of well completion

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Revised November 6, 2013

1. WELL API NO:
30-015-43182

2. Well Name:
COTTON DRAW UNIT #224H

3. Well Number:
224H

HYDRAULIC FRACTURING FLUID
DISCLOSURE

☒ Original
☐ Amendment

4. Surface Hole Location:
Unit: I Lot: I Section: 12 Township: 25S Range: 31E
Feet from: 2404 N/S Line: S
Feet from: 625 E/W Line: E

5. Bottom Hole Location:
Unit: I Lot: I Section: 12 Township: 25S Range: 31E
Feet from: 2404 N/S Line: S
Feet from: 625 E/W Line: E

6. latitude: 32.1441823 longitude: -103.7250124

7. County:
Eddy

8. Operator Name and Address:
DEVON ENERGY PRODUCTION COMPANY, LP
333 W. Sheridan Avenue
Oklahoma City 73102

9. OGRID: 6137 10. Phone Number: 405-228-8588

11. Last Fracture Date: 3/8/2016 Frac Performed by: FTS International Services

12. Production Type:
O

13. Pool Code(s):
96641

14. Gross Fractured Interval:
Confidential

15. True Vertical Depth (TVD):
10,573 ft

16. Total Volume of Fluid Pumped:
78,095.894 gals

17. Total Volume of Re-Use Water Pumped:
N/A

18. Percent of Re-Use Water in Fluid Pumped:
Not Disclosed

19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:

Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Water CI-150	Operator FTSI	Carrier Acid Corrosion Inhibitor	Water	7732-18-5		85.980544%
			Isopropanol	67-63-0	100%	4.09E-05%
			Dimethylformamide	68-12-2	30%	1.36E-05%
			Organic amine resin salt	Proprietary	10%	4.09E-05%
			Quaternary ammonium compound	Proprietary	30%	1.36E-05%
			Aromatic aldehyde	Proprietary	10%	4.09E-05%
			Ethylene Glycol	107-21-1	30%	4.09E-05%
			Methanol	67-56-1	60%	8.19E-05%
			Aromatic Ketone compound	Proprietary	30%	4.09E-05%
			Aromatic Aldehyde	Proprietary	10%	1.36E-05%
			Ethoxylated Alcohols	Proprietary	10%	1.36E-05%
			Oxyalkylated Alcohol	Proprietary	5%	6.8E-06%
			Acetic Acid	64-19-7	5%	6.8E-06%
			Acetophenone	98-86-2	5%	6.8E-06%
			Oxyalkylated Fatty Amine	Proprietary	5%	6.8E-06%
			Formaldehyde	50-00-0	5%	6.8E-06%
			Water	7732-18-5	10%	1.36E-05%
			Fatty Acid	Proprietary	0.1%	1E-07%
			Fatty Acid Salt	Proprietary	0.1%	1E-07%
			Aliphatic alcohol	Proprietary	0.1%	1E-07%
			Alkylene Oxide Block Polymer	Proprietary	10%	1.36E-05%
			Polyalkylene glycol	Proprietary	10%	1.36E-05%
			Diethylene glycol	111-46-6	1%	1.4E-06%
CS POLYBREAK 210W	FTSI	Polymer breaker	Sodium chloride	7647-14-5	20%	0.0033143%
			Sodium chlorite	7758-19-2	5%	0.0008286%
			Water	7732-18-5	90%	0.0149144%
			Stabilized Aqueous Chlorine Dioxide	10049-04-4	5%	0.0008286%
FE-200L	FTSI	Iron Control	Sodium Hydroxide	1310-73-2	0.5%	8.29E-05%
			Tetrasodium EDTA	64-02-8	41%	0.000125%
			Sodium Hydroxide	1310-73-2	2%	6.1E-06%
			Trisodium Nitrilotriacetic acid	5064-31-3	2%	6.1E-06%
			Ethylenediaminetriacetic acid, trisodium salt	19019-43-3	0.8%	2.4E-06%
			Water	7732-18-5	65%	0.0001981%
			Sodium formate	141-53-7	0.6%	1.8E-06%
			Sodium glycolate	2836-32-0	1.5%	4.6E-06%
			Iminodiacetate disodium salt	17593-73-6	0.2%	6E-07%
			Copolymer of 2-Propenamide	69418-26-4	30%	0.0136888%
FRW-920	FTSI	Friction Reducer - Zwitter ionic	Hydrotreated Petroleum Distillate	64742-47-8	25%	0.0114073%
			Alcohol Ethoxylate Surfactants	Trade Secret	2%	0.0009126%
			Oleic Acid Diethanolamide	93-84-4	2%	0.0009126%
			Water	7732-18-5	50%	0.0228146%
			Ammonium Chloride	12125-02-9	1%	0.0004563%
			2-Butoxyethanol	111-76-2	10%	0.0082615%
NE-100	FTSI	Non-emulsifier	2-Propanol	67-63-0	10%	0.0082615%
			Dodecylbenzenesulfonic acid	27176-87-0	5%	0.0041307%
			Water	7732-18-5	90%	0.0743534%
Hydrochloric Acid (HCl)	FTSI	Acid	Hydrogen Chloride	7647-01-0	37%	0.0292076%
			Water	7732-18-5	63%	0.0497318%
ICI-3240	FTSI	Biocide	Dazomet (Tetrahydro-3, 5-dimethyl-2H-1, 3, 5-thiadiazine-2-thione,	533-74-4	24%	0.0095056%
			Sodium Hydroxide	1310-73-2	23%	0.0091096%
			Water	7732-18-5	55%	0.0217838%
Silica Sand Proppant	FTSI	proppant	Silica, Quartz	14808-60-7	100%	13.7556527%

20. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.

Signature: Signed Electronically Printed Name: Rebecca Deal Title: Regulatory Professional

Date: 4/14/2016

E-mail Address: rebecca.deal@dmn.com

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.